

EAST

(13). It has now been found that the above and related objects of the present invention are provided by a copolymer of at least one aromatic dicarboxylic acid member, at least one linear acid, at least one C₂-sub-2 --C₂-sub-10 glycol, and at least one polymeric polyol member utilized as a chain extender. The aromatic dicarboxylic acid member is a symmetrical aromatic dicarboxylic acid or an acid functioning derivative thereof, and is preferably terephthalic acid or dimethyl terephthalate. The linear acid is preferably a climated unsaturated linear acid, a hydrogenated derivative thereof, or an acid-functioning derivative of either; and the C₂-sub-2 --C₂-sub-10 glycol is preferably 1,4-butanediol or 1,6-hexanediol.

(14) The chain extending polyester polyol member is either a polycaprolactone polyol having a molecular weight of from about 350 to about 3,000 and a functionality greater than 2, or a mixture of a polycaprolactone diol having a molecular weight of from about 300 to about 3,000 and a non-polymeric polyol having a functionality greater than 2. The polycaprolactone polyol is present in an amount from about 1 to about 6 mole percent of the total dicarboxylic acid members in the copolyester, and the polycaprolactone diol and the non-polymeric polyol are each present in the mixture in an amount from about 1 to about 6 mole percent of the total dicarboxylic acid members in the copolyester.

(15) The thermoplastic copolymers of the present invention are characterized by a melting temperature greater than 70 degree C and a glass transition temperature less than 25 degree C, and are prepared by forming an intermediate copolyester of the aromatic dicarboxylic acid monomer, the diol and the C₁₂ to C₁₆ glycol, and chain extender the intermediate copolymer having a viscosity of 0.5 to 1.0 dl/g.

Document ID	Issue Date	Pages	Title	Current CR	Current IRef	Retrieval C	Inventor	S	C	P
US 4510759 A	19890307	12	Polyester graft copolymers, flexible coating	525/440	525/131; 525/167;		Ryntz, Rose A.	P	P	P
US 4504732 A	19890214	15	Polysiloxane graft copolymers, flexible coating	528/28	525/474; 525/476;		Ryntz, Rose A. et al.	P	P	P
US 4766185 A	19850622	15	Polysiloxane graft copolymers, flexible coating	525/479	528/24; 528/26;		Ryntz, Rose A. et al.	P	P	P
US 4754014 A	19880628	15	Polysiloxane graft copolymers, flexible coating	528/28	525/474; 525/476;		Ryntz, Rose A. et al.	P	P	P
US 4673718 A	19870616	15	Polysiloxane graft copolymers, flexible coating	525/476	525/474; 525/477;		Ryntz, Rose A. et al.	P	P	P
US 4586787 A	19860512	7	Flexible two component urethane coating	525/440	525/454; 525/457;		Kordomenos, Panagiotis I. et al.	P	P	P
US 4976955 A	19900315	11	Coating composition and skinned polyurethane foam	428/215	428/318.6; 428/318.8;		Oshima, Tochiko et al.	P	P	P
US 4533703 A	19850806	10	Flexible basecoat/two component clearcoat coating	525/440	427/407.1; 427/409;		Kordomenos, Panagiotis I. et al.	P	P	P
US 4536976 A	19850723	6	Flexible uni basecoat/two component clearcoat coating	525/440	428/423.1; 428/423.7;		Kordomenos, Panagiotis I. et al.	P	P	P
US 3975323 A	19760517	9	Copolymers, method of manufacturing same, and hot melt	525/411	523/107; 525/415;		Gecrgcudis, Paul C. et al.	P	P	P



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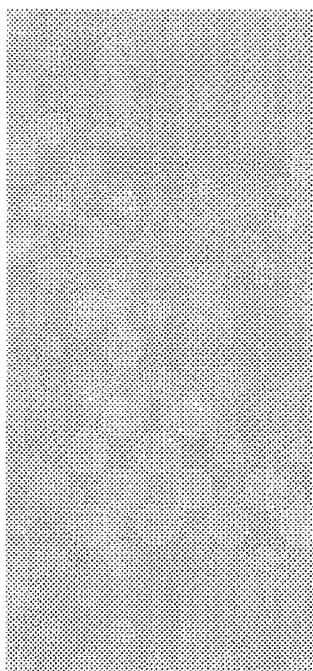
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